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APR 25 2016

Division Director (SRP00)

Kris Hall



Monroe Energy, L.L.C.

**4101 Post Road
Trainer, PA 19061
(610) 364-8000**

April 8, 2016

Mr. James Rebarchak
Air Quality Program
Commonwealth of Pennsylvania
Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

**RE: Monroe Energy, LLC – Trainer Refinery
First Quarter (1Q2016) PADEP VOC Fugitive Monitoring Report
Title V Operating Permit No. 23-00003**

Dear Mr. Rebarchak:

As required by Pennsylvania Code, Title 25, §129.58(f), the Monroe Energy, LLC (Monroe Energy) Trainer Refinery hereby submits the VOC Fugitive Emissions Monitoring Report for the period of January 1, 2016 thru March 31, 2016.

This report consists of the following documents:

- Compliance Monitoring Summary Pennsylvania Title 25, Section 129.58.
- Compliance Repair Delay List Pennsylvania Title 25, Section 129.58.
- Compliance Report Repair Delayed History – Components Repaired During Report Period, Pennsylvania Title 25, Section 129.58.
- Compliance Report – Components Added and Deleted During Report Period, Pennsylvania Title 25, Section 129.58.

As required by the Consent Decree H-05-0258, paragraph 236, Monroe Energy is hereby notifying the Department that the report leak rates contained herein for valves and pumps are those applicable regulatory leak definitions defined in Pennsylvania Code, Title §129.58(a).

During the reporting period, all components were monitored in accordance with Monroe Energy's Alternate LDAR Plan Monitoring Schedule and no late repairs were recorded. Also, per the aforementioned Consent Decree, all valves with a leak rate of over 10,000 ppm that required a Drill and Tap were successfully repaired to a leak rate less than 500 ppm and were not placed on Delay of Repair list.

Mr. James Rebarchak

April 8, 2016

Page 2

Subject to the penalties of Title 18 Pa. C.S. Section 4904 and 35 P.S. Section 4009 (b) (2), I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained herein are true, accurate, and complete.

Should you have any questions or comments regarding this report, please contact Stephani Ski Szymanski, Environmental Engineer and Program Lead, at (610) 364-8073.

Sincerely,



Jeffrey K. Warmann
CEO & President

Enclosures

cc: Office of Air Enforcement & Compliance Assistance (3AP20)
U.S. EPA Region III
1650 Arch Street
Philadelphia, PA 19103-2029
FedEx

MONROE ENERGY TRAINER REFINERY
 1Q2016 PADEP QUARTERLY LDAR REPORT
 ON DELAY OF REPAIR COMPONENTS
 REPORT DATE: APRIL 8, 2016
 REPORT COMPLIANCE PERIOD: JANUARY 1 TO MARCH 31, 2016

PENREF	COMPLIANCE GROUP	CLASS	MONTH	MONITORED	LEAKED	LATE
	<u>543 CRUDE</u>					
		PUMP	1	4	0	0
		PUMP	2	4	0	0
		PUMP	3	4	0	0
		RELIEF	2	8	0	0
		VALVE	1	6	0	0
		VALVE	2	1,071	0	0
				<u>1,097</u>	<u>0</u>	<u>0</u>
	<u>544 CRUDE</u>					
		PUMP	1	15	0	0
		PUMP	2	15	0	0
		PUMP	3	15	0	0
		RELIEF	2	8	0	0
		VALVE	1	11	0	0
		VALVE	2	1,170	2	0
		VALVE	3	13	0	0
				<u>1,247</u>	<u>2</u>	<u>0</u>
	<u>544 VACUUM</u>					
		PUMP	1	2	0	0
		PUMP	2	2	0	0
		PUMP	3	2	0	0
		RELIEF	1	1	1	0
		RELIEF	2	7	0	0
		RELIEF	3	1	0	0
		VALVE	1	1	0	0
		VALVE	2	392	0	0
				<u>408</u>	<u>1</u>	<u>0</u>
	<u>ALKY</u>					
		PUMP	1	28	0	0
		PUMP	2	28	0	0
		PUMP	3	28	0	0
		RELIEF	2	38	0	0
		VALVE	1	12	0	0
		VALVE	2	3,405	5	0
		VALVE	3	79	0	0
				<u>3,618</u>	<u>5</u>	<u>0</u>
	<u>AMINE</u>					
		PUMP	1	1	0	0
		PUMP	2	2	0	0
		PUMP	3	2	0	0

	RELIEF	1	6	0	0
	VALVE	1	348	0	0
	VALVE	2	8	0	0
	VALVE	3	8	0	0
			<u>375</u>	<u>0</u>	<u>0</u>
<u>AWWTP</u>					
	VALVE	1	140	0	0
			<u>140</u>	<u>0</u>	<u>0</u>
<u>BLEND</u>					
	PUMP	1	16	0	0
	PUMP	2	16	0	0
	PUMP	3	16	0	0
	RELIEF	1	16	0	0
	VALVE	1	1,261	0	0
			<u>1,325</u>	<u>0</u>	<u>0</u>
<u>BOILER</u>					
	RELIEF	2	1	0	0
	RELIEF	3	1	0	0
	VALVE	2	78	0	0
	VALVE	3	78	0	0
			<u>158</u>	<u>0</u>	<u>0</u>
<u>BOILERS 9 & 10</u>					
	RELIEF	3	4	0	0
	VALVE	1	2	0	0
	VALVE	2	431	1	0
	VALVE	3	431	0	0
			<u>868</u>	<u>1</u>	<u>0</u>
<u>BUTANE</u>					
	RELIEF	2	7	0	0
	VALVE	2	298	1	0
	VALVE	3	1	0	0
			<u>306</u>	<u>1</u>	<u>0</u>
<u>DESALT</u>					
	PUMP	1	10	0	0
	PUMP	2	10	0	0
	PUMP	3	10	0	0
	RELIEF	1	12	0	0
	VALVE	1	815	0	0
	VALVE	2	2	0	0
			<u>859</u>	<u>0</u>	<u>0</u>
<u>DIESEL</u>					
	PUMP	1	11	0	0
	PUMP	2	11	0	0

PUMP	3	11	0	0
RELIEF	1	9	0	0
VALVE	1	792	1	0
VALVE	2	1	0	0
VALVE	3	1	0	0

836 1 0

FCC

PUMP	1	19	0	0
PUMP	2	23	0	0
PUMP	3	23	0	0
RELIEF	2	25	0	0
RELIEF	3	2	0	0
VALVE	2	1,965	1	0
VALVE	3	111	0	0

2,168 1 0

FLARE

PUMP	1	3	0	0
PUMP	2	3	0	0
PUMP	3	3	0	0
VALVE	1	3	0	0
VALVE	3	221	0	0

233 0 0

FLARE GAS RECOVERY

PUMP	1	6	0	0
PUMP	2	7	0	0
PUMP	3	7	0	0
RELIEF	1	20	0	0
VALVE	1	1,043	0	0
VALVE	2	10	0	0
VALVE	3	1,053	0	0

2,146 0 0

ISOCRK

COMPR	1	1	0	0
COMPR	2	1	0	0
COMPR	3	1	0	0
PUMP	1	18	0	0
PUMP	2	18	0	0
PUMP	3	18	0	0
RELIEF	1	57	1	0
RELIEF	2	2	0	0
RELIEF	3	1	0	0
VALVE	1	3,112	2	0
VALVE	2	13	0	0
VALVE	3	17	0	0

3,259 3 0

KERO

PUMP	1	9	0	0
PUMP	2	9	0	0
PUMP	3	9	0	0
RELIEF	1	31	0	0
VALVE	1	1,520	0	0

1,578 **0** **0**

LOWLN

PUMP	1	6	0	0
PUMP	2	6	0	0
PUMP	3	6	0	0
RELIEF	1	6	0	0
VALVE	1	577	0	0

601 **0** **0**

MARINE

RELIEF	2	8	0	0
VALVE	2	185	0	0

193 **0** **0**

NAPHTH

PUMP	1	16	0	0
PUMP	2	16	0	0
PUMP	3	16	0	0
RELIEF	3	13	0	0
VALVE	1	2	0	0
VALVE	2	2	0	0
VALVE	3	1,506	3	0

1,571 **3** **0**

PLATFO

COMPR	1	1	0	0
COMPR	2	1	0	0
COMPR	3	1	0	0
PUMP	1	10	0	0
PUMP	2	10	0	0
PUMP	3	10	0	0
RELIEF	3	30	0	0
VALVE	1	5	0	0
VALVE	2	5	0	0
VALVE	3	2,182	0	0

2,258 **0** **0**

PRORCL

PUMP	1	1	0	0
PUMP	2	1	0	0
PUMP	3	1	0	0
RELIEF	3	3	0	0
VALVE	1	1	0	0
VALVE	2	1	0	0
VALVE	3	313	2	0

			<u>321</u>	<u>2</u>	<u>0</u>
<u>PROREC</u>					
	RELIEF	2	12	0	0
	VALVE	2	644	1	0
	VALVE	3	1	0	0
			<u>657</u>	<u>1</u>	<u>0</u>
<u>PROSTO</u>					
	PUMP	1	6	0	0
	PUMP	2	6	0	0
	PUMP	3	6	0	0
	RELIEF	1	21	0	0
	VALVE	1	540	1	0
	VALVE	2	2	0	0
	VALVE	3	1	0	0
			<u>582</u>	<u>1</u>	<u>0</u>
<u>REFORM</u>					
	PUMP	1	8	0	0
	PUMP	2	8	0	0
	PUMP	3	8	0	0
	RELIEF	2	11	0	0
	VALVE	2	825	0	0
	VALVE	3	14	0	0
			<u>874</u>	<u>0</u>	<u>0</u>
<u>SOUR</u>					
	RELIEF	2	2	0	0
	VALVE	2	53	0	0
			<u>55</u>	<u>0</u>	<u>0</u>
<u>SOUTH TANK FARM</u>					
	RELIEF	3	6	0	0
	VALVE	3	82	0	0
			<u>88</u>	<u>0</u>	<u>0</u>
<u>SRU</u>					
	RELIEF	1	3	0	0
	VALVE	1	78	0	0
	VALVE	2	2	0	0
			<u>83</u>	<u>0</u>	<u>0</u>
<u>TAIL GAS</u>					
	RELIEF	1	3	0	0
	VALVE	1	159	0	0
			<u>162</u>	<u>0</u>	<u>0</u>
<u>TF</u>					
	PUMP	1	38	0	0

PUMP	2	39	0	0
PUMP	3	39	0	0
RELIEF	1	1	0	0
RELIEF	3	100	0	0
VALVE	1	3	0	0
VALVE	2	5	0	0
VALVE	3	3,441	0	0
		<u>3,666</u>	<u>0</u>	<u>0</u>

VACUUM

PUMP	1	2	0	0
PUMP	2	2	0	0
PUMP	3	2	0	0
RELIEF	1	3	0	0
VALVE	1	494	1	0
VALVE	2	2	0	0
VALVE	3	1	0	0
		<u>506</u>	<u>1</u>	<u>0</u>

VGO

PUMP	1	1	0	0
PUMP	2	1	0	0
PUMP	3	1	0	0
RELIEF	1	11	0	0
VALVE	1	621	0	0
VALVE	2	4	0	0
VALVE	3	4	0	0
		<u>643</u>	<u>0</u>	<u>0</u>

WGS

PUMP	1	4	0	0
VALVE	1	1	0	0
		<u>5</u>	<u>0</u>	<u>0</u>

32,883	23	0
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MONROE ENERGY TRAINER REFINERY
1Q2016 PADEP QUARTERLY LDAR REPORT
ON DELAY OF REPAIR COMPONENTS

REPORT DATE: APRIL 8, 2016

REPORT COMPLIANCE PERIOD: JANUARY 1, 2016 - MARCH 31, 2016

TAG	CLASS	AREA	PLACED ON DELAY
08029	RELIEF	544 VACUUM	01/14/2016
13510	VALVE	BOILERS 9/10	02/24/2016
16169	RELIEF	ISOCRACKER	01/26/2016

TOTAL:	3
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MONROE ENERGY TRAINER REFINERY

1Q2016 PADEP QUARTERLY LDAR REPORT

REMOVED FROM DELAY OF REPAIR (DOR) REPORT: LEAKING COMPONENTS
SUBJECT TO PENREF RULE LEAK DEFINITION OF >10,000PPM PLACED ON DOR AND
REMOVED

REPORT DATE: APRIL 8, 2016

REPORT COMPLIANCE PERIOD: JANUARY 1, 2016 - MARCH 31, 2016

TAG	AREA	CLASS	PLACED ON DELAY	OFF DELAY
16169	RELIEF	ISOCRACKER	1/26/2016	03/02/2016
			TOTAL OFF DELAY	1

MONROE ENERGY TRAINER REFINERY

1Q2016 PADEP QUARTERLY LDAR REPORT

ADDED AND DELETED COMPONENTS

REPORT DATE: APRIL 8, 2016

REPORT COMPLIANCE PERIOD: JANUARY 1 TO MARCH 31, 2016

Compliance Group	Class	Added	Deleted
543 CRUDE	PRESSURE RELIEF DEVICE	0	0
543 CRUDE	PUMP	0	0
543 CRUDE	VALVE	0	0
544 CRUDE	PRESSURE RELIEF DEVICE	0	0
544 CRUDE	PUMP	0	0
544 CRUDE	VALVE	3	7
544 VACUUM	PRESSURE RELIEF DEVICE	0	0
544 VACUUM	PUMP	0	0
544 VACUUM	VALVE	2	0
ALKY	PRESSURE RELIEF DEVICE	0	1
ALKY	PUMP	0	0
ALKY	VALVE	74	14
AMINE	PRESSURE RELIEF DEVICE	0	0
AMINE	PUMP	1	0
AMINE	VALVE	8	0
AWWTP	VALVE	0	0
BLEND	PRESSURE RELIEF DEVICE	0	0
BLEND	PUMP	0	0
BLEND	VALVE	0	0
BOILER	PRESSURE RELIEF DEVICE	0	0
BOILER	VALVE	0	0
BOILERS 9 & 10	PRESSURE RELIEF DEVICE	0	0
BOILERS 9 & 10	VALVE	0	0
BUTANE	PRESSURE RELIEF DEVICE	0	0
BUTANE	VALVE	0	0
CRUDE	PRESSURE RELIEF DEVICE	0	0
CRUDE	PUMP	0	0
CRUDE	VALVE	0	0
DESALT	PRESSURE RELIEF DEVICE	0	0
DESALT	PUMP	0	0
DESALT	VALVE	2	2
DIESEL	COMPRESSOR	0	0
DIESEL	PRESSURE RELIEF DEVICE	0	0
DIESEL	PUMP	0	0
DIESEL	VALVE	0	0
FCC	COMPRESSOR	0	0
FCC	PRESSURE RELIEF DEVICE	1	3
FCC	PUMP	0	0
FCC	VALVE	97	108
FLARE	PRESSURE RELIEF DEVICE	0	0
FLARE	PUMP	0	0
FLARE	VALVE	0	1
FLARE GAS RECOVERY	COMPRESSOR	0	0

FLARE GAS RECOVERY	PRESSURE RELIEF DEVICE	0	0
FLARE GAS RECOVERY	PUMP	1	0
FLARE GAS RECOVERY	VALVE	10	0
ISOCRK	COMPRESSOR	0	0
ISOCRK	PRESSURE RELIEF DEVICE	1	0
ISOCRK	PUMP	0	0
ISOCRK	VALVE	8	2
KERO	COMPRESSOR	0	0
KERO	PRESSURE RELIEF DEVICE	0	0
KERO	PUMP	0	0
KERO	VALVE	0	1
LOWLN	COMPRESSOR	0	0
LOWLN	PRESSURE RELIEF DEVICE	0	0
LOWLN	PUMP	0	0
LOWLN	VALVE	0	0
MARINE	COMPRESSOR	0	0
MARINE	PRESSURE RELIEF DEVICE	0	0
MARINE	PUMP	0	0
MARINE	VALVE	0	0
NAPHTH	COMPRESSOR	0	0
NAPHTH	PRESSURE RELIEF DEVICE	0	0
NAPHTH	PUMP	0	0
NAPHTH	VALVE	0	0
OYF	VALVE	0	0
PLATFO	COMPRESSOR	0	0
PLATFO	PRESSURE RELIEF DEVICE	0	0
PLATFO	PUMP	0	0
PLATFO	VALVE	0	0
PRORCL	PRESSURE RELIEF DEVICE	0	0
PRORCL	PUMP	0	0
PRORCL	VALVE	0	0
PROREC	PRESSURE RELIEF DEVICE	0	0
PROREC	VALVE	0	0
PROSTO	PRESSURE RELIEF DEVICE	0	0
PROSTO	PUMP	0	0
PROSTO	VALVE	0	0
REFORM	PRESSURE RELIEF DEVICE	0	0
REFORM	PUMP	0	0
REFORM	VALVE	0	0
SOUR	PRESSURE RELIEF DEVICE	0	0
SOUR	PUMP	0	0
SOUR	VALVE	0	0
SOUTH TANK FARM	PRESSURE RELIEF DEVICE	0	0
SOUTH TANK FARM	VALVE	21	0
SRU	COMPRESSOR	0	0
SRU	PRESSURE RELIEF DEVICE	0	0
SRU	VALVE	0	0
SUNOL	COMPRESSOR	0	0
SUNOL	PRESSURE RELIEF DEVICE	0	0
SUNOL	PUMP	0	0
SUNOL	VALVE	0	0
TAIL GAS	PRESSURE RELIEF DEVICE	0	0
TAIL GAS	VALVE	0	0
TF	COMPRESSOR	0	0
TF	PRESSURE RELIEF DEVICE	3	0

TF	PUMP	0	0
TF	VALVE	3	2
VACUUM	PRESSURE RELIEF DEVICE	0	0
VACUUM	PUMP	0	0
VACUUM	VALVE	0	0
VGO	COMPRESSOR	0	0
VGO	PRESSURE RELIEF DEVICE	0	0
VGO	PUMP	0	0
VGO	VALVE	0	1
VT	VACUUM TRUCK	0	0
WC	CONTAINERS , DRUMS, ETC.	0	0
WGS	PRESSURE RELIEF DEVICE	0	0
WGS	VALVE	0	28
TOTAL:		235	170